How plants make their food

Agriscience foundations: 05.03 Examine the processes of plant growth, including Photosynthesis, respiration, transpiration, absorption, transfer, storage, reproduction, etc….

Instructions:

Hey guys! For this assignment, we are focusing on the way that plants produce their food, Photosynthesis. In the following assignment, you all are going to watch the YouTube video and answer the questions that are associated with it. After you watch the video and answer the attached questions, you are going to need to start part 2 of the worksheet! For part two of this worksheet, you will need to draw a diagram of Photosynthesis, using color and including all the steps that are listed!

Expected progress:

I expect that you all start this project on Wednesday and complete this assignment by Thursday. It's not due until Friday, but I suggest that you start this assignment before Friday. Please remember to submit the assignment to the grade book!

Part 1

YouTube video: <https://www.youtube.com/watch?v=uixA8ZXx0KU>

1. What is Photosynthesis?
   1. The process that plants can use to produce food.
2. What three organisms can use Photosynthesis?
3. What are the reactants (input) for Photosynthesis?
4. Which side are they on in the formula?
5. What are the products (outputs) of Photosynthesis?
6. What side are they on in the formula?
7. What Product is critical for animal life?
8. What light can chlorophyll not absorb?
9. What is the chemical formula for Photosynthesis?

Part 2 Photosynthesis Diagram

Instructions:

Using the information, you gathered from the video above, you need to draw a diagram of Photosynthesis, which shows the basic inputs and outputs of Photosynthesis. Use the Internet to find good examples. Be sure to include color and appropriate labels in the diagram. You need to include the water, carbon dioxide, sunlight, oxygen, and glucose in your model. It can be similar to the diagram that was used in the ameba sister video or slightly different if you prefer!

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| Picture of the diagram! |